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Spinal Cord Independence Measure (SCIM) – III Self Report for Youth

Availability:	For more information on this instrument, please see the article here .
Classification:	Exploratory: SCI-Pediatric (8 years and over)
Short Description of Instrument:	<p>The Spinal Cord Independence Measure (SCIM)-III Self Report for Youth assesses traumatic and non traumatic acute and chronic spinal cord injury. There are 3 domains:</p> <p>Self care</p> <p>Respiration and sphincter management</p> <p>Mobility</p> <p>Construct measured: Function, Activities of Daily Living</p> <p>Generic vs. disease specific: Disease specific</p> <p>Intended respondent: Participant</p> <p># of items: 19</p>
Comments/Special instructions:	THE SCIM-III SR-Y was developed based on the SCIM-III and was modified based on formal cognitive testing with children and content expert input via the Modified Delphi Survey. The response scale has also been modified to accommodate cognitive levels of children.
Rationale/Justification:	<p>Psychometric Properties: This test has undergone extensive psychometric testing in SCI.</p> <p>Reliability: Internal consistency (Cronbach's $\alpha=0.77-0.91$); Inter-rater reliability for SCIM total (ICC=0.956), for the subscales: self-care (ICC=0.941), respiration/sphincter (ICC=0.844), mobility in the room (ICC=0.961), mobility indoors/outdoors (ICC=0.945).</p> <p>Validity: Correlation of the SCIM III with the FIM (Pearson's $r=0.779-0.91$).</p> <p>Responsiveness: When comparing the ability to detect a 1-point change from admission to discharge, the SCIM-III detected more numerous changes than FIMTM in 3 of the 4 areas; self-care, respiration and sphincter management, and mobility indoors and outdoors, but NOT mobility in the room and toilet. The differences between the 2 scales' responsiveness to changes are not statistically significant.</p> <p>Floor/ceiling effects: Ceiling effects have been observed in 3 items, floor effects have been observed in 11 items.</p> <p>Weaknesses:</p> <p>Limitations include youth not understanding medical terminology and jargon and this instrument was not tested for reliability or validity in a population of children 8 years and under (Mulcahey et al., 2015, <i>in press</i>).</p>

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References:	<p>Key Reference: Mulcahey, M. J., Calhoun, C. L., Sinko, R., Kelly, E. H., & Vogel, L. C. (2015). The spinal cord independence measure (SCIM)-III self report for youth. <i>Spinal Cord</i>. In Press.</p> <p>Other Reference: Dumas, H. M., Haley, S. M., Boyce, M. E., Peters, C. Y., & Mulcahey, M. J. (2009). Self-report measures of physical function for children with spinal cord injury: a review of current tools and an option for the future. <i>Dev Neurorehabil</i>, 12(2), 113–118.</p>
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